## ARYLSULPHONYL SUBSTITUTED-TETRAHYDRO-AND HEXAHYDRO-CARBAZOLES

## ABSTRACT

The invention provides compounds of formula I for use in treating conditions in which 5-HT<sub>6</sub> receptors are involved such as in anxiety, depression, schizophrenia, Alzheimer's disease, stress-related disease, panic, a phobia, obsessive compulsive disorder, obesity, post-traumatic stress syndrome, epilepsy, and other CNS disorders.

$$R_{5}$$

$$R_{6}$$

$$R_{7}$$

$$R_{3}$$

$$Z$$

$$NR_{1}R_{2}$$

$$NR_{1}R_{2}$$

Formula I